AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions, and listings, of claims:

1. (Cancelled)

2. (Currently Amended) ~~The method of claim 1~~ A method of performing packet-based communications in a wireless network, comprising:

establishing a connection over a wireless link between a mobile station and a radio access network system;

transmitting data in the connection;

waiting a predetermined time delay period after end of data transmission;

starting a procedure to release the connection after the predetermined delay period,

wherein starting the procedure comprises sending an indication that the end of data transmission has occurred, the indication being sent after waiting the predetermined time delay period after end of data transmission;

receiving an acknowledgement of the indication; and

releasing the connection in response to the acknowledgement.

3. (Original) The method of claim 2, wherein sending the indication comprises sending a message containing a flag set to a predetermined state.

4. (Cancelled)

5. (Currently Amended) The method of claim [[4]] 2, wherein releasing the connection comprises releasing a temporary block flow in a General Packet Radio Service network.

6. (Currently Amended) The method of claim [[4]] 2, wherein releasing the connection comprises releasing a logical connection.

7. (Original) The method of claim 6, wherein releasing the logical connection comprises releasing one of plural logical connections assigned on a physical channel.

8. (Currently Amended) ~~The method of claim 1~~ A method of performing packet-based communications in a wireless network, comprising:

establishing a connection over a wireless link between a mobile station and a radio access network system;

transmitting data in the connection;

waiting a predetermined time delay period after end of data transmission; and

starting a procedure to release the connection after the predetermined delay period, wherein the waiting and starting acts are performed in the mobile station.

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9. (Currently Amended) The method of claim [[1]] 2, wherein the waiting and starting acts are performed in the radio access network system.

10. (Currently Amended) The method of claim [[1]] 2, further comprising detecting the end of data transmission.

11. (Original) The method of claim 10, wherein detecting the end of data transmission comprises detecting a send data buffer not containing data for transmission on the connection.

12. (Currently Amended) The method of claim [[1]] 8, further comprising starting a timer to wait the predetermined time period.

13. (Currently Amended) The method of claim [[1]] 8, wherein establishing the connection comprises establishing [[a]] an uplink temporary block flow in a General Packet Radio Service network, the method further comprising:

releasing the uplink temporary block flow in response to starting the procedure to release the connection after the predetermined delay period.

14. (Currently Amended) A ~~system~~ a mobile station for communication in a wireless network, comprising:

an interface to a wireless link;

a control module adapted to establish [[a]] an uplink connection on the wireless link with a ~~peer system~~ base station system; and

a delay element,

the control module adapted to further detect end of data transmission on the uplink connection and to wait a delay period provided by the delay element before starting a procedure to release the uplink connection.

15. (Currently Amended) The ~~system~~ mobile station of claim 14, wherein the delay element comprises a timer.

16. (Currently Amended) The ~~system~~ mobile station of claim 14, further comprising a radio link control/medium access control layer comprising the control module.

17. (Currently Amended) The ~~system~~ mobile station of claim 14, wherein the control module is adapted to establish [[a]] an uplink temporary block flow, the uplink connection comprising the uplink temporary block flow.

18. - 19. (Cancelled)

20. (Currently Amended) The ~~system~~ mobile station of claim 14, further comprising a send buffer, the control module adapted to detect end of data transmission when the send buffer does not have data for transmission on the uplink connection.

21. (Currently Amended) The ~~system~~ mobile station of claim 14, wherein the control module is adapted to start the procedure to release the uplink connection by sending an indication of the end of data transmission to the base station system.

22. (Currently Amended) The ~~system~~ mobile station of claim 21, wherein the indication comprises a flag having a predetermined state in a data block.

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23. (Currently Amended) The ~~system~~ mobile station of claim 21, wherein the control module is adapted to further wait for an acknowledgment of the indication before releasing the uplink connection.

24. (Currently Amended) The ~~system~~ mobile station of claim 14, wherein the control module is adapted to establish a General Packet Radio Service ~~connection~~ uplink temporary block flow, the uplink connection comprising the uplink temporary block flow.

25. (Currently Amended) An article comprising at least one storage medium containing instructions for performing packet-based communications in a wireless network, the instructions when executed causing a first system to:

establish a connection between the first system and a peer system over a wireless link; ~~and~~

wait a predetermined time period at the end of data transmission before providing an indication of the end of data transmission;

receive an acknowledgment of the indication from the peer system; and

release the connection in response to the acknowledgment.

26. (Original) The article of claim 25, wherein the instructions when executed cause the first system to further detect a data buffer being empty, wherein waiting the predetermined time period is performed after detecting the data buffer is empty.

27. (Original) The article of claim 26, wherein the instructions when executed cause the first system to detect the data buffer is empty by detecting a radio link control/medium access control send buffer being empty.

28. (Original) The article of claim 25, wherein the instructions when executed cause the first system to wait the predetermined time period by starting a timer.

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29. (Currently Amended) ~~The article of claim 28, wherein the instructions when executed cause the first system to~~ An article comprising at least one storage medium containing instructions for performing packet-based communications in a wireless network, the instructions when executed causing a mobile station to:

establish a connection between the first system and a peer system over a wireless link; and

wait a predetermined time period at the end of data transmission before providing an indication of the end of data transmission, wherein waiting the predetermined time period comprises starting a timer ~~start the timer by starting the timer in a mobile station, the first system comprising~~ in the mobile station.

30. (Cancelled)

31. (Currently Amended) The article of claim 25, wherein the instructions when executed cause the mobile station ~~first system~~ to establish the connection by establishing a temporary block flow.

32. (Cancelled)

33. (Currently Amended) The article of claim ~~32~~ 25, wherein the instructions when executed cause the mobile station ~~first system~~ to release the connection by releasing [[a]] an uplink temporary block flow.

34. (Currently Amended) A ~~first system~~ mobile station, comprising:

means for establishing ~~a connection~~ an uplink temporary block flow over a wireless link with a second system;

means for detecting an end of data transmission; ~~and~~

means for waiting a predetermined time period before providing an indication of the end of data transmission; and

means for releasing the uplink temporary block flow after waiting the predetermined time period.

35. (Currently Amended) A data signal embodied in a carrier wave and comprising instructions that when executed cause a first system to:

detect end of data transmission over [[a]] an uplink temporary block flow ~~connection~~ established on a wireless link;

start a delay period after detecting the end of data transmission; and

start a procedure to release the uplink temporary block flow ~~connection~~ after the delay period.

36. (New) The mobile station of claim 34, further comprising:

means for receiving an acknowledgement of the indication,

wherein the releasing means releases the uplink temporary block flow in response to the acknowledgment.

37. (New) The method of claim 8, further comprising releasing an uplink logical connection in response to starting the procedure after the predetermined delay period.

38. (New) The method of claim 37, wherein releasing the uplink logical connection comprises releasing an uplink temporary block flow in response to starting the procedure after the predetermined delay period.